SYSTEMIC COSMOLOGICAL MODEL (2025)
Coherence-Limit Functional Structure

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Introduction

The Systemic Cosmological Model (2025) presents the functional relation between coherence and limit as the primary structure of finite systems. It outlines the principles that govern emergence and transformation across domains, with Appendices showing how this relation varies under different parameters.

MAP OF PRINCIPLES
Foundational principles (Σ) - Structural axis

I. Pre-sorgive principle (Σ_0)

Original condition from which every form emerges and toward which every process converges.

Formula: $\Sigma_0 = f(\neg\Delta \rightarrow \Psi)$

II. Original dislocation (Ψ_0)

Tendency of systems to maintain functional continuity within their own domain.

Formula: $\Psi_0 = f(\Delta \rightarrow \Sigma[CRT, DP, \Xi, \Omega])$

III. Domain coherence (CRT)

Coherence exists only within a limit that allows its finite form.

Formula: $CRT = f(C \leftrightarrow R \leftrightarrow T)$

IV. Coherence and limit (Σ_3)

Process of stabilization between openness and containment.

Structural limit (Σ_3a)

Ensures the consistency of form.

Reflective limit (Σ_3b)

Consciousness recognizes and suspends the limit in order to preserve meaning.

General formula: $R = f(C, L) \mid D$

V. Transduction (Ξ)

Form acquires continuity between content and context.

Formula: $\Xi = f[C(t) \leftrightarrow L(t)]$

VI. Self-reflective moment (Ω)

Consciousness recognizes its own function within the system that generates it.

Formula: $\Omega = f(\Theta \leftrightarrow R\Theta)$

VII. Universal regulation (RU)

Finite reality sustains itself by balancing stability and transformation.

Formula: $RU = f(C \leftrightarrow L)_t$

APPENDIX I
Q-R DOMAIN TRANSITION (U_{xr})

Functional transition between the quantum domain and the relativistic domain.
Variation of the coherence–limit ratio (Σ_3).

$\chi = C / L$

$\chi > 1 \rightarrow$ prevalence of coherence (Q).

$\chi < 1 \rightarrow$ prevalence of limit (R).

$\chi \approx 1 \rightarrow$ transition zone.

Continuity between domains is sustained by Ξ.
Stability of the ratio is regulated by RU.

APPENDIX II
DIFFERENTIAL GRAVITATIONAL REGULATION (U_x^g)

Apparent gravitational variations without corresponding mass.

ΔL locally compensates ΔC to maintain RU.

$\Delta g = f(\Delta L)$

Not additional matter.

Limit regulation in a domain with $\chi < 1$.

APPENDIX III
COSMIC LIMIT REGULATION (U_x^c)

Accelerated expansion as variation of the global limit.

ḊL_cosmic = f(RU_t)

No external energy.

Limit regulation at the scale of U_i.

APPENDIX IV
SORGIVE ASYMMETRY (U_{xa})

Emergence is not symmetric.

Coherence distributes differentially at origin.

$\Sigma_0 \rightarrow \Psi_0 \Rightarrow \Delta C$

The matter–antimatter asymmetry is functional, not contingent.

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